abcam

Product datasheet

Anti-TRIM56 antibody [EPR10583] ab154862

KO 評価済 リコンビナント RabMAb

6 References 画像数 12

製品の概要

製品名	Anti-TRIM56 antibody [EPR10583]
製品の詳細	Rabbit monoclonal [EPR10583] to TRIM56
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt (Intra), WB, IHC-P, ICC/IF
種交差性	**交差種:** Human
免疫原	Synthetic peptide within Human TRIM56. The exact sequence is proprietary. Database link: **Q9BRZ2**
ポジティブ・コントロール	IHC-P: Human brain, pancreas and colon cancer tissues. WB: HAP1, A549, A375, MCF7 and HeLa cell lysates. ICC/IF: MCF7 and HeLa cells Flow Cyt (intra): MCF7 cells
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR10583
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab154862の使用に適用されます

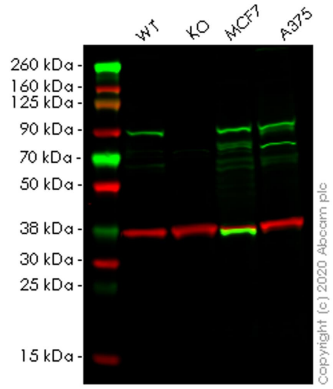
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/20. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. For unpurified use at 1/100 - 1/500 dilution.
WB		1/10000 - 1/50000. Predicted molecular weight: 81 kDa.
IHC-P		1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See **IHC antigen retrieval protocols**. For unpurifed use at 1/50 -1/100 dilution.
ICC/IF		1/70. For unpurified use at 1/100 - 1/250 dilution.

ターゲット情報

機能	E3 ubiquitin-protein ligase that mediates 'Lys-63'-linked polyubiquitination of TMEM173/STING, thereby playing a key role in innate immunity. TMEM173/STING 'Lys-63'-linked ubiquitination activates the production of type I interferon IFN-beta following detection of pathogen- and host-derived double-stranded DNA.
配列類似性	Belongs to the TRIM/RBCC family. Contains 2 B box-type zinc fingers. Contains 1 RING-type zinc finger.
細胞内局在	Cytoplasm.

画像



Western blot - Anti-TRIM56 antibody [EPR10583] (ab154862)

All lanes : Anti-TRIM56 antibody [EPR10583] (ab154862) at 1/1000 dilution

Lane 1 : Wild-type A549 (Human lung carcinoma cell line) whole cell lysate
Lane 2 : TRIM56 knockout A549 (Human lung carcinoma cell line) whole cell lysate
Lane 3 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate
Lane 4 : A-375 (Human malignant melanoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

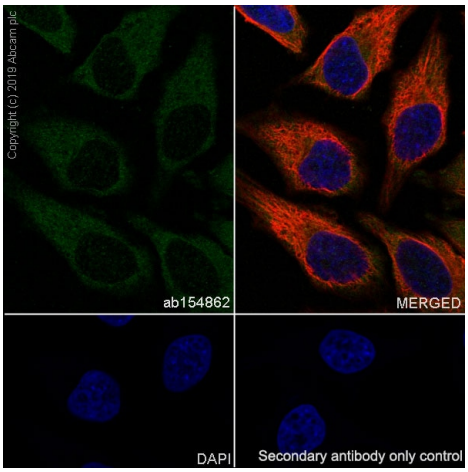
Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 81 kDa
Observed band size: 88 kDa

Lanes 1-4: Merged signal (red and green). Green - ab154862 observed at 88 kDa. Red - loading control **ab8245** observed at 36 kDa.

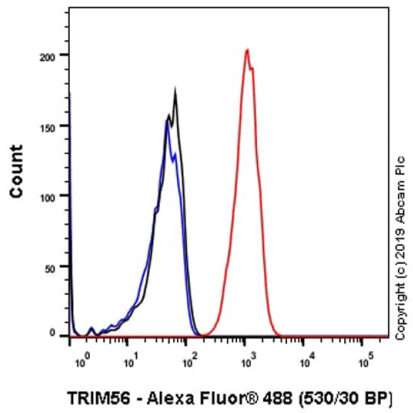
ab154862 Anti-TRIM56 antibody [EPR10583] was shown to specifically react with TRIM56 in wild-type A549 cells. Loss of signal was observed when knockout cell line **ab267063** (knockout cell lysate **ab258250**) was used. Wild-type and TRIM56 knockout samples were subjected to SDS-PAGE. ab154862 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary

antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



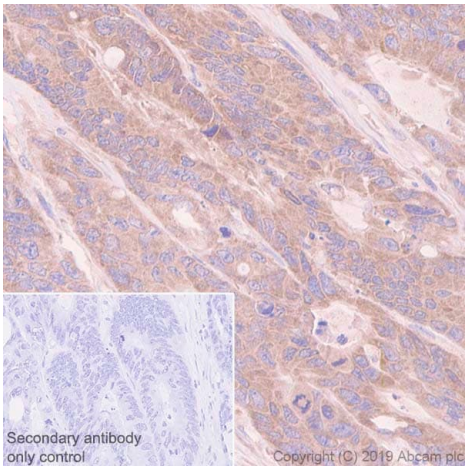
Immunocytochemistry/ Immunofluorescence - Anti-TRIM56 antibody [EPR10583] (ab154862)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling TRIM56 with purified ab154862 at 1/70 dilution (10 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 (2.5 µg/ml) dilution. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



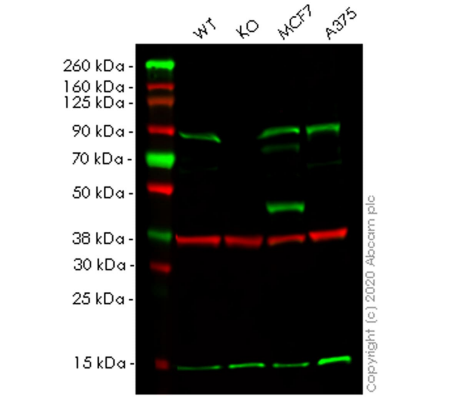
Flow Cytometry (Intracellular) - Anti-TRIM56 antibody [EPR10583] (ab154862)

Intracellular Flow Cytometry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling TRIM56 with purified ab154862 at 1/70 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRIM56 antibody [EPR10583] (ab154862)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon cancer tissue sections labeling TRIM56 with purified ab154862 at 1/1000 dilution (0.691 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-TRIM56 antibody [EPR10583] (ab154862)

All lanes : Anti-TRIM56 antibody [EPR10583] (ab154862) at 1/1000 dilution

Lane 1 : Wild-type A549 (Human lung carcinoma cell line) whole cell lysate
Lane 2 : TRIM56 knockout A549 (Human lung carcinoma cell line) whole cell lysate
Lane 3 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate
Lane 4 : A-375 (Human malignant melanoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 81 kDa
Observed band size: 88 kDa

Lanes 1-4: Merged signal (red and green). Green - ab154862 observed at 88 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab154862 Anti-TRIM56 antibody [EPR10583] was shown to specifically react with TRIM56 in wild-type A549 cells. Loss of signal

was observed when knockout cell line **ab267062** (knockout cell lysate **ab258249**) was used. Wild-type and TRIM56 knockout samples were subjected to SDS-PAGE. ab154862 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

Western blot - Anti-TRIM56 antibody [EPR10583] (ab154862)

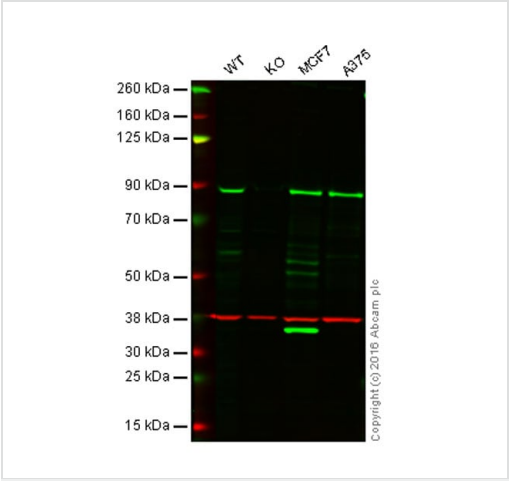
All lanes : Anti-TRIM56 antibody [EPR10583] (ab154862) at 1/50000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2 : A375 (Human malignant melanoma epithelial cell) whole cell lysates

Lysates/proteins at 15 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 81 kDa
Observed band size: 81 kDa

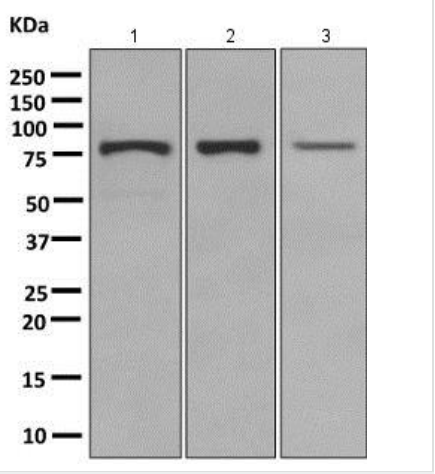


Western blot - Anti-TRIM56 antibody [EPR10583] (ab154862)

Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: TRIM56 knockout HAP1 cell lysate (20 µg)
Lane 3: MCF7 cell lysate (20 µg)
Lane 4: A375 cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab154862 observed at 88 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab154862 (unpurifed) was shown to recognize TRIM56 when TRIM56 knockout samples were used, along with additional cross-reactive bands. Wild-type and TRIM56 knockout samples were subjected to SDS-PAGE. ab154862 and **ab8245** (loading control to GAPDH) were both diluted 1/10000 and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-

Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10000 dilution for 1 h at room temperature before imaging.



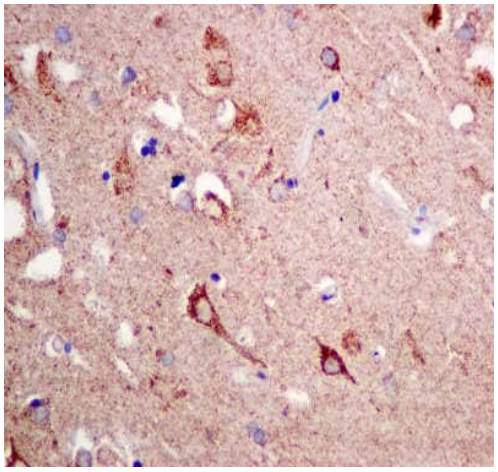
Western blot - Anti-TRIM56 antibody [EPR10583] (ab154862)

All lanes : Anti-TRIM56 antibody [EPR10583] (ab154862) at 1/10000 dilution ((unpurified))

Lane 1 : HeLa cell lysate
Lane 2 : A375 cell lysate
Lane 3 : MCF7 cell lysate

Lysates/proteins at 10 µg per lane.

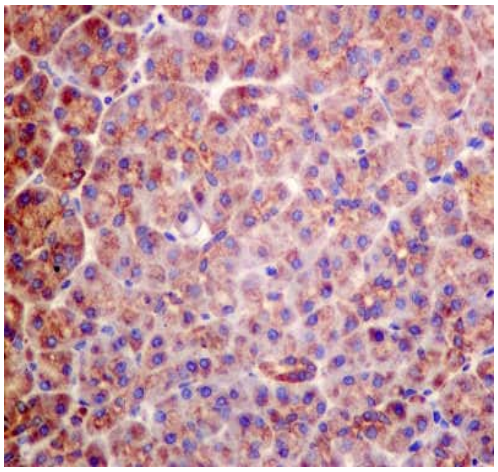
Predicted band size: 81 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRIM56 antibody [EPR10583] (ab154862)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling TRIM56 with ab154862 (unpurified) at 1/50.

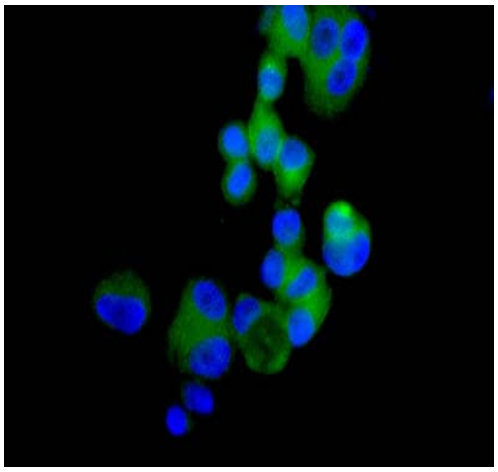
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRIM56 antibody [EPR10583] (ab154862)

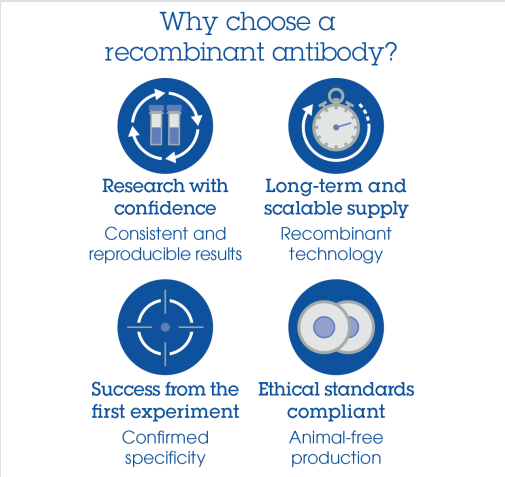
Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling TRIM56 with ab154862 (unpurified) at 1/50.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-TRIM56 antibody [EPR10583] (ab154862)

Immunofluorescent analysis of MCF7 cells labeling TRIM56 with ab154862 (unpurified) at 1/100.



Anti-TRIM56 antibody [EPR10583] (ab154862)

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